

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E BUDGET ITEM JUSTIFICATION</b>								<b>DATE</b> February 1999	
<b>APPROPRIATION/BUDGET ACTIVITY</b>						<b>R-1 ITEM NOMENCLATURE</b>			
<b>RDT&amp;E, DEFENSE-WIDE/BUDGET ACTIVITY 7</b>						Distributed Common Ground Systems (DCGS) PE 0305208D8Z			

<b>COST (IN MILLIONS)</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>Cost to Complete</b>	<b>Total Cost</b>
<b>Total PE Cost</b>	34.879	*	*	*	*	*	*	*	*	*
<b>Project Name/No. and Subtotal Cost: Airborne Reconnaissance Ground SIGINT Systems (ARGSS)/ P812</b>	0.386	*	*	*	*	*	*	*	*	0.399
<b>Project Name/No. and Subtotal Cost: Common Imagery Ground/Surface Systems (CIGSS)/ P813</b>	28.139	*	*	*	*	*	*	*	*	*
<b>Project Name/No. and Subtotal Cost: Distributed Common Ground System Interoperability (DCGSI)/P814</b>	6.354	*	*	*	*	*	*	*	*	*
<b>Quantity of RDT&amp;E Articles</b>										

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the DCGS funds for FY00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A), Navy (PE 0305208N), NIMA (PE 0305208BQ), NSA (PE 0305208G), DIA/CMO (PE 0305208L).

**A. Mission Description and Budget Item Justification**

**Brief Description of Element:** The Distributed Common Ground System (DCGS) Program is a cooperative effort between the services, agencies and DoD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. The DCGS program is developing a family of systems, both fixed and deployable, that is capable of supporting all levels of conflict, is interoperable with all reconnaissance platforms and sensors, and is integrated into the Joint C4I environment. The program consists of Common Imagery Ground/Surface Systems (CIGSS) which process, exploit and disseminate imagery data; United States MASINT Systems (USMS) which process, exploit, and disseminate MASINT data; Airborne Reconnaissance Ground SIGINT Systems (ARGSS) which process, exploit, and disseminate SIGINT data; Multi-Intelligence Reconnaissance Ground Systems (MIRGS) which support inter-intelligence interoperability initiatives that process, exploit, and correlate data simultaneously from multi-intelligence sources; and Distributed Common Ground System Interoperability (DCGSI) which focuses on IMINT, SIGINT, MASINT, and multi-discipline system flexibility and

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interoperability, test, and architecture compliance. This program is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of Operational System Development.

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<b>COST (IN MILLIONS)</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>Cost to Complete</b>	<b>Total Cost</b>
<b>Total PE Cost</b>	34.879	*	*	*	*	*	*	*	*	*
<b>Project Name/No. and Subtotal Cost: Airborne Reconnaissance Ground SIGINT Systems (ARGSS)/P 812</b>	0.386	*	*	*	*	*	*	*	*	*
<b>Quantity of RDT&amp;E Articles</b>										

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the DCGS funds for FY00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A), Navy (PE 0305208N), NIMA (PE 0305208BQ), NSA (PE 0305208G), DIA/CMO (PE 0305208L).

**A. Mission Description and Budget Item Justification**

**Brief Description of Element:** HEARTLEAF adds two additional ground station processing capabilities at a centralized facility that will receive, process, and disseminate information from national, theater, and tactical reconnaissance sensors. It provides a centralized facility that will ensure commonality between ground systems and airborne sensors. EAGLE TOT will develop hardware and software modifications for the C-ROFA to allow receipt of U.S. and Allied radar data from airborne platforms. This program is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of Operational System Development.

**Program Accomplishments and Plans: (\$ in millions)**

**FY1998 Accomplishments: (\$0.386)**

- Fielded additional reporting channel (EAGLE TOT) to remote sites (\$0.386)

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<b>RDT&amp;E, DEFENSE-WIDE/BUDGET ACTIVITY 7</b>	Distributed Common Ground Systems (DCGS) PE 0305208D8Z	

**Acquisition Strategy:** Develop integrated ground architecture and distributed communications capability via ECP/Task orders to existing USAF and NSAW contracts.

**B. Program Change Summary**

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
Previous President's Budget	0.4	*	*	*	
Net Changes					
President's Budget Request	0.4	*	*	*	

Program Change Summary

Funding: N/A

Schedule: N/A

Technical: N/A

**C. Other Program Funding Summary Cost**

	<u>FY1998</u>	<u>FY1999</u>	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>	<u>FY2004</u>	<u>FY2005</u>	<u>To Complete</u>	<u>Total Cost</u>
ARGSS, Proc, DW	3.245	*								

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PE's.

**D. Schedule Profile**

Fiscal Year actual and planned events by quarter

N/A

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<b>APPROPRIATION/BUDGET ACTIVITY</b>						<b>R-1 ITEM NOMENCLATURE</b>			
<b>RDT&amp;E, DEFENSE-WIDE/BUDGET ACTIVITY 7</b>						Distributed Common Ground Systems (DCGS) PE 0305208D8Z			

<b>COST (IN MILLIONS)</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>Cost to Complete</b>	<b>Total Cost</b>
<b>Total PE Cost</b>	34.879	*	*	*	*	*	*	*	*	*
<b>Project Name/No. and Subtotal Cost: Common Imagery Ground/Surface Systems (CIGSS)/P813</b>	28.139	*	*	*	*	*	*	*	*	*
<b>Quantity of RDT&amp;E Articles</b>										

\* Per the FY 1999 Appropriations Act, the funds for FY 99 were transferred to the Services/Defense Agencies in various PEs; per the PDM the CIGSS funds for FY00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A), and Navy (PE 0305208N).

**A. Mission Description and Budget Item Justification**

**Brief Description of Element:** This project supports the engineering development and acquisition of Service imagery ground/surface systems. The Common Imagery Ground/Surface System (CIGSS) is a Department of Defense (DoD) project, which integrates all imagery ground/surface systems into a single project. The CIGSS objective is to enable all systems to receive, process, exploit, and report any imagery source regardless of platform or sensor type to meet the intelligence and targeting needs of tactical commanders. The CIGSS project provides the warfighter with an integrated and interoperable airborne reconnaissance imagery processing and exploitation capability that can be tailored for all levels of conflict. CIGSS consolidates the JROC and DARSC approved restructure of the Joint Service Imagery Processing System (JSIPS) program including JSIPS-Navy, JSIPS-Air Force, JSIPS-Marine Corps, Enhanced Tactical Radar Correlator (ETRAC), Modernized Imagery Exploitation System (MIES), PACAF Interim National Exploitation System (PINES), and Tactical Exploitation Group (TEG) into a single project. The Navy CIGSS component, JSIPS-N, includes three major components, the Digital Imagery Workstation Suite Afloat (DIWSA), the National Input Segment (NIS), and a subset of equipment from the Tactical Input Segment (TIS). DIWSA receives, exploits, and disseminates imagery products based on multi-source imagery. The NIS and TIS provide the capability to receive, record, and process imagery from multiple sources. The Air Force CIGSS component consists of two deployable JSIPS systems, a deployable commercial imagery ground system (Eagle Vision), and the fixed PINES system. The Army CIGSS components consists of the MIES, ETRAC and the imagery portion of the Tactical Exploitation System (TES) systems. MIES receives and exploits imagery from national and theater sources and provides intelligence reports and exploited imagery products to the field commander. ETRAC is a C-130 drive on/off capable system that receives Synthetic Aperture Radar (SAR) data inputs from various platforms, converts the SAR data to exploitable images, and is capable of stand-alone operations. ETRAC and MIES are combined in the TES to be fielded beginning in FY 1999. The Marine Corps component of CIGSS consists of a JSIPS system identical to the

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<b>RDT&amp;E, DEFENSE-WIDE/BUDGET ACTIVITY 7</b>	Distributed Common Ground Systems (DCGS) PE 0305208D8Z	

Air Force JSIPS and three JSIPS variants referred to as the Tactical Exploitation Group (TEG). It will be a small, highly mobile system that will provide the Marine Expeditionary Forces (MEFs) with the capability of processing and exploiting SAR and Electro-Optical/Infra-Red (EO/IR) imagery from theater and tactical reconnaissance aircraft. A mobile CIGSS testbed was developed to support the integration and test of CIGSS components and validation of interfaces prior to the introduction of CIGSS into the operational environment. The testbed will also be used by Program Offices to test interfaces with new sensors, applications, and other modifications. This program is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of Operational System Development.

**Program Accomplishments and Plans: (\$ in millions)**

**FY 1998 Accomplishments: (\$28.139)**

- Continued JSIPS-N Imagery Exploitation Support System (IESS) support (N) (\$0.580)
- Continued DIWSA support (N) (\$0.437)
- Continued JSIPS-N alternative architecture support (N) (\$0.561)
- Continued Test and Evaluation support (N) (\$0.116)
- Completed upgrade of MIES with IPL/COTS workstations/ATM LAN for CIGSS Compliance (A) (\$0.200)
- Continued CIGSS elements sustaining engineering to implement software upgrades and enhancements to maintain compatibility with changing national and tactical interfaces (A) (\$4.287)
- Continued ETRAC sustaining engineering to implement upgrades to process data from ASARS-2 sensors and the ASARS Improvement Program (A) (\$1.000)
- Completed integration of IESS into ETRAC (A) (\$0.500)
- Continued CIGSS/DCGS elements sustaining engineering to implement software upgrades and enhancements to maintain compatibility with changing national and tactical interfaces (AF) (\$5.386)
- Continued development of CIGSS/DCGS Testbed (AF) (\$2.000)
- Continued system engineering and technical support (AF) (\$1.500)
- Continued upgrades for JSIPS/TEG to remain compliant and interoperable with Distributed Common Ground Station Architecture (AF) (\$1.920)
- Continued the integration of CIGSS core components into the delivery of the first Tactical Exploitation Groups (TEGs) (AF) (\$3.200)

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- Continued the integration of evolving CIP to keep pace with current and projected modification programs (AF) (\$6.452)

**\* Per the FY 1999 Appropriations Act, funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the CIGGS funds for FY00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A) and Navy (PE 0305208N).**

**Acquisition Strategy:** As approved by the Joint Requirements Oversight Council (JROC), Defense Airborne Reconnaissance Steering Committee (DARSC), and Under Secretary of Defense (Acquisition & Technology) a family of rapidly deployable imagery ground/surface systems, capable of operating in the Joint C4I environment and tailorable to support all levels of conflict will be developed. These systems are under the umbrella program called the Common Imagery Ground/Surface System (CIGSS). An acquisition baseline was established for CIGSS outlining JROC approved joint requirements and DARO/NIMA approved standards. All existing imagery ground/surface systems, and those currently in the pipeline, will be modified to meet the CIGSS acquisition baseline. All new imagery ground/surface systems must be delivered CIGSS compliant. Program management responsibility for CIGSS systems will rest with the individual Service or Agency developing the CIGSS system. The systems will be acquired using streamlined acquisition procedures. DoD will provide oversight to ensure compliance with joint airborne reconnaissance architectures, requirements, and standards.

**B. Program Change Summary**

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
Previous President's Budget	29.1	*	*	*	*
Net Change	<u>(1.0)</u>				
President's Budget Request	28.1	*	*	*	*

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the CIGGS funds for FY00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A) and Navy (PE 0305208N).

Change Summary Explanation:

Funding: The change in funding is a result of internal realignments within the DARP.

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Schedule: N/A

Technical: N/A

**C. Other Program Funding Summary Cost**

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To Complete</u>	<u>Total Cost</u>
CIGSS Proc, Defense Wide	89.473	*	*	*	*	*	*	*	*	*

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the CIGGS procurement funds for FY 00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A) and Navy (PE 0305208N). The Air Force CIGSS funding line includes funding for Marine Corps JSIPS.

**Related Activities:** To ensure no duplication of effort, this project is coordinated with the Office of the Secretary of Defense, Army, Air Force, Marine Corps, and Navy TENCAP offices, CIO, DIA, and other agencies.

**D. Schedule Profile**

Fiscal Year actual and planned events by quarter

	<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Acquisition Milestones</b>																
N-TIS Low Rate Initial Production (LRIP)															X	
<b>Contract Milestones</b>																
Integrate National RFCs					X											

**D. Schedule Profile**

Fiscal Year actual and planned events by quarter

<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
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<b>RDT&amp;E, DEFENSE-WIDE/BUDGET ACTIVITY 7</b>											Distributed Common Ground Systems (DCGS) PE 0305208D8Z							

	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Integrate IPL/COTS WS/ATM into MIES		X														
Integrate IESS into ETRAC			X													
<b>Engineering Milestones</b>																
ETRAC #1 System Upgrades - (User Test)		X														
ETRAC #2 System Upgrades - (User Test)			X													

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the CIGGS procurement funds for FY00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A) and Navy (PE 0305208N).

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<b>RDT&amp;E, DEFENSE-WIDE/BUDGET ACTIVITY 7</b>						Distributed Common Ground Systems (DCGS) PE 0305208D8Z			

<b>COST (IN MILLIONS)</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003*</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>Cost to Complete</b>	<b>Total Cost</b>
<b>Total PE Cost</b>	34.879	*	*	*	*	*	*	*	*	*
<b>Project Name/No. and Subtotal Cost: Distributed Common Ground System Interoperability (DCGSI)/P814</b>	6.354	*	*	*	*	*	*	*	*	*
<b>Quantity of RDT&amp;E Articles</b>										

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the DCGSI funds for FY00-05 were transferred to the Air Force (PE 0305208F), NIMA (PE 0305208BQ), NSA (PE 0305208G) and DIA/CMO (PE 03050208L).

**A. Mission Description and Budget Item Justification**

**Brief Description of Element:** The Distributed Common Ground System (DCGS) Interoperability project funds and coordinates engineering development work directed toward defense airborne reconnaissance ground processing technologies. The project will ensure that intelligence processing systems are developed to satisfy strategies and architectures that support warfighter intelligence needs in the face of rapidly developing threat technologies, proliferation of advanced weapons, and uncertain political alignments. This project supports IMINT, SIGINT, MASINT, and multi-discipline system interoperability and, consolidates the R&D efforts of the Ground/Surface System Development Program (GSSDP). This project focuses the Department's ground system efforts to improve flexibility, commonality, interoperability, and efficiency in supporting Joint Task Force and Service unique intelligence requirements. The DCGS is a system of systems that does not need to be collocated but must be interconnected by a robust communications structure that will provide data streams between intelligence collector, exploiters, producers, disseminators, and users. The DCGS Interoperability project goal is to provide a near-real-time, day/night, all weather intelligence processing system which meets the warfighter's need for timely intelligence on enemy forces. This program is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of Operational System Development.

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**Program Accomplishments and Plans: (\$ in millions)**

**FY 1998 Accomplishments: (\$6.354)**

- Completed “Clip-kit” for CIGSS/HAE interoperability with the Common Imagery Processor and continued systems engineering and integration of UAV ground station into CIGSS (\$.913)
- Continued systems engineering, integration, and development of airborne ground/surface systems standards and interfaces to ensure commonality and interoperability with the DCGS architecture. (\$1.000)
- Continued architecture and standards development, as well as certification and testing for multi-“INT” baseline under DCGS (\$0.933)
- Continued Rapid Intelligence Transmission (RIT) implementation and graph reporting module development (\$0.186)
- Continued to ensure JASA is incorporated in ground/surface system migration efforts (\$1.000)
- Supported additional sensor processing capability to Common Imagery Processor (CIP) (\$0.300)
- Continued data recording standards and technology support (\$0.300)
- Continued DCGS and NATO Standards Imagery Format (NSIF) test and certification support (\$0.100)
- Completed DCGS Capstone Requirements Document (CRD) (\$0.184)
- Continued DCGS MASINT planning, architecture description and management plan (\$0.105)
- Supported Semi-Automated Imagery Intelligence (IMINT) Processing (SAIP) for operational systems (\$0.250)
- Provided HAE Moving Target Indicator (MTI) processing support within ETRAC (\$0.933)
- Continued to support NATO STANAG development for reconnaissance infrastructure elements (data links, recorders, and information exchange) (\$0.150)

**\* Per the FY 199 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the DCGSI funds for FY 00-05 were transferred to the Air Force (PE 0305208F), NIMA (PE 0305208BQ), NSA (PE 0305208G) and DIA/CMO (PE 03050208L).**

**Acquisition Strategy:** As outlined in the Integrated Airborne Reconnaissance Strategy (IARS) and approved by the JROC, DARSC, and Under Secretary of Defense (A&T), a family of fixed and rapidly deployable Distributed Common Ground Systems, capable of operating in the Joint C4I environment and tailorable to support all levels of conflict will be developed to support the nation's Defense Airborne Reconnaissance

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Systems. DoD is restructuring the Ground/Surface System Development program and the other DARP Ground/Surface Programs into the DCGS Program that includes the JSIPS program, GSSDP, Multi-intelligence Reconnaissance Ground Systems Projects (CARS and KCOIC), and Airborne Reconnaissance SIGINT Ground Systems (HEARTLEAF). DoD is establishing liaison with the UAV Program Offices to ensure interoperability with DARP ground systems. The development of modifications to ensure interoperability among these systems will be directed under DoD oversight, implemented by Service acquisition agencies and funded under this project.

**B. Program Change Summary**

	<u><b>FY 1998</b></u>	<u><b>FY 1999</b></u>	<u><b>FY 2000</b></u>	<u><b>FY 2001</b></u>	<u><b>Total Cost</b></u>
Previous President's Budget	6.6	*	*	*	*
Net Change	<u>(.2)</u>				
President's Budget Request	6.4	*	*	*	*

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the DCGSI funds for FY 00-05 were transferred to the Air Force (PE 0305208F), NIMA (PE 0305208BQ), NSA (PE 0305208G) and DIA/CMO (PE 03050208L).

**Change Summary Explanation:**

Funding: The change in funding is a result of internal realignments within the DARP.  
 Schedule: N/A  
 Technical: N/A

**C. Other Program Funding Summary Cost**

N/A

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**D. Schedule Profile**

Fiscal Year actual and planned events by quarter

<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

**Acquisition Milestones: N/A**

**Contract Milestones: N/A**

**Engineering Milestones: N/A**

**T&E Milestones: N/A**

**Other Program Events**

CIGSS Testing by GITC

X ————— X

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs: per the Program Decision Memorandum (PDM), the DCGSI funds for FY 00-05 were transferred to the Air Force (PE 0305208F), NIMA (PE 0305208BQ), NSA (PE 0305208G) and DIA/CMO (PE 03050208L).

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Exhibit R-3 Cost Analysis (page 1)										DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT						PROJECT NAME AND NUMBER		
RDT&E, DEFENSE-WIDE/BUDGET ACTIVITY 7				PE 0305208D8Z						Distributed Common Ground Systems/P814		
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY Cost	1999 Cost*	1999 Award Date	2000 Cost *	2000 Award Date	2001 Cost *	2001 Award Date	Cost to Complete *	Total Cost *	Target Value of Contract
Primary Hardware Development			6.354									
Ancillary Hardware Development												
Systems Engineering												
Licenses												
Tooling												
GFE												
Award Fees												
Subtotal Product Development			6.354									
Remarks												
Development Support												
Software Development												
Training Development												
Integrated Logistics Support												
Configuration Management												
Technical Data												
GFE												
Subtotal Support												
Remarks												

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Exhibit R-3 Cost Analysis (page 2)										DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT						PROJECT NAME AND NUMBER		
RDT&E, DEFENSE-WIDE/BUDGET ACTIVITY 7				PE 0305208D8Z						Distributed Common Ground Systems/P814		
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY Cost	1999 Cost*	1999 Award Date	2000 Cost *	2000 Award Date	2001 Cost *	2001 Award Date	Cost to Complete *	Total Cost *	Target Value of Contract
Development Test & Evaluation												
Operational Test & Evaluation												
Tooling												
GFE												
Subtotal T&E												
Remarks												
Contractor Engineering Support												
Contractor Engineering Support												
Contractor Engineering Support												
Contractor Engineering Support												
Travel												
Labor (Research Personnel)												
Overhead												
Subtotal Management												
Remarks												
Total Cost			6.354									
Remarks												
* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the DCGSI funds for FY00-05 were transferred to the Air Force (PE 0305208F), NIMA (PE 0305208BQ), DIA/Central MASINT Office (CMO) (PE 0305208L) and NSA (PE 03050208G).												

(Exhibit R-3, page 2 of 2)

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Exhibit R-3 Cost Analysis (page 1)										DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT						PROJECT NAME AND NUMBER		
RDT&E, DEFENSE-WIDE/BUDGET ACTIVITY 7				PE 0305208D8Z						Distributed Common Ground Systems/P813		
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY Cost	1999 Cost*	1999 Award Date	2000 Cost *	2000 Award Date	2001 Cost *	2001 Award Date	Cost to Complete *	Total Cost *	Target Value of Contract
Primary Hardware Development			28.139									
Ancillary Hardware Development												
Systems Engineering												
Licenses												
Tooling												
GFE												
Award Fees												
Subtotal Product Development			28.139									
Remarks												
Development Support												
Software Development												
Training Development												
Integrated Logistics Support												
Configuration Management												
Technical Data												
GFE												
Subtotal Support												

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Exhibit R-3 Cost Analysis (page 2)										DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT						PROJECT NAME AND NUMBER		
RDT&E, DEFENSE-WIDE/BUDGET ACTIVITY 7				PE 0305208D8Z						Distributed Common Ground Systems/P813		
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY Cost	1999 Cost*	1999 Award Date	2000 Cost *	2000 Award Date	2001 Cost *	2001 Award Date	Cost to Complete *	Total Cost *	Target Value of Contract
Development Test & Evaluation												
Operational Test & Evaluation												
Tooling												
GFE												
Subtotal T&E												
Remarks												
Contractor Engineering Support												
Government Engineering Support												
Program Management Support												
Program Management Personnel												
Travel												
Labor (Research Personnel)												
Overhead												
Subtotal Management												
Remarks												
Total Cost			28.139									
Remarks												
* Per the FY 1999 Appropriations ACT, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs: per the Program Decision Memorandum (PDM), the CIGSS funds for FY00-05 were transferred to the Air Force (PE 0305208F), Army (PE 0305208A) and Navy (PE 03050208N).												

(Exhibit R-3, page 2 of 2)

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